INTERNATIONAL SEARCH REPORT

International application No.

		101/012	004/013033		
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H01H25/06, H01H19/56					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum docum	entation searched (classification system followed by cla H01H25/06, H01H19/56	ssification symbols)			
Int.CI	HUTH25/U6, HUTH19/56				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922–1996 Jitsuyo Shinan Toroku Koho 1996–2004					
Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004					
Electronic data b	ase consulted during the international search (name of d	lata base and, where practicable, search te	rms used)		
Dieculonic data base consumed during the international season (name of data base and, where practically season terms assay)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap	· · · · · · · · · · · · · · · · · · ·	Relevant to claim No.		
Y	JP 2001-135197 A (Matsushita	Electric	1-9		
	Industrial Co., Ltd.), 18 May, 2001 (18.05.01),				
ĺ	Par. Nos. [0034] to [0097]; F	igs. 1 to 19			
	(Family: none)				
Y	JP 56-39135 Y2 (Tokyo Parts	Industrial Co	1~9		
	Ltd.),	2			
	11 September, 1981 (11.09.81)		li .		
	Full text; Figs. 1 to 2 (Family: none)				
[(ramily: none)				
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	, in the second				
	auments are listed in the continuation of Dev C	Sag patent family annual			
X Further documents are listed in the continuation of Box C. See patent family annex.					
Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand					
to be of particular relevance the principle or theory underlying the invention					
filing date considered novel or cannot be cons			dered to involve an inventive		
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		step when the document is taken alone "Y" document of particular relevance; the			
special reason (as specified)		considered to involve an inventive combined with one or more other such	step when the document is		
"P" document pu	ferring to an oral disclosure, use, exhibition or other means ablished prior to the international filing date but later than	being obvious to a person skilled in the	e art		
	date claimed	"&" document member of the same patent	tamtly		
Date of the actual completion of the international search Date of mailing of the international search			ch report		
	ember, 2004 (08.11.04)	22 November, 2004	(22.11.04)		
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Name and mailing address of the ISA/		Authorized officer			
Japanese Patent Office					
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/015059

		PCT/JP2	2004/015059	
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		·	
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
Y	JP 9-102247 A (Tokai Rika Co., Ltd.), 15 April, 1997 (15.04.97), Par. No. [0007]; Figs. 1 to 4 (Family: none)		1-9	
Y	JP 2001-167665 A (Alps Electric Co., Ltd 22 June, 2001 (22.06.01), Par. Nos. [0029] to [0035]; Figs. 6, 26, & US 2001/0003682 A & EP 1106971 A1 & DE 60001480 T & CN 1305206 A & TW 469461 B		1-9	

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